

FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 899-64967-07
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. § 371		U.S. APPLICATION NO. (If known, see 37 C.F.R. § 1.5) <b>10/511233</b>
INTERNATIONAL APPLICATION NO. PCT/US03/11649	INTERNATIONAL FILING DATE 15 April 2003	PRIORITY DATE CLAIMED 16 April 2002
TITLE OF INVENTION ENHANCEMENT OF HEMATOPOIETIC STEM CELL SURVIVAL		
APPLICANT(S) FOR DO/EO/US William H. Fleming and Bei Li		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"><li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1).</li><li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19<sup>th</sup> month from the earliest claimed priority date.</li><li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2))<ol style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. § 371(c)(2)).</li><li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))<ol style="list-style-type: none"><li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li><li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li><li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li><li>9. <input checked="" type="checkbox"/> A Declaration of Inventorship from the inventors (1 page) and Power of Attorney (2 pages).</li><li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li></ol>		
<b>Items 11. to 16. below concern document(s) or information included:</b>		
<ol style="list-style-type: none"><li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li><li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 is included.</li><li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li>14. <input type="checkbox"/> A substitute specification.</li><li>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</li><li>16. <input checked="" type="checkbox"/> Other items or information:<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> Abstract on a separate page.</li><li><input checked="" type="checkbox"/> International Search Report.</li><li><input type="checkbox"/> International Preliminary Examination Report.</li><li><input checked="" type="checkbox"/> A diskette containing an electronic copy of a sequence listing.</li><li><input checked="" type="checkbox"/> Paper copy of a sequence listing (5 pages).</li><li><input checked="" type="checkbox"/> Statement in Compliance verifying identity of the sequence listing copies.</li></ol></li></ol>		

U.S. APPLICATION NO. (if known) <b>10/511233</b> sec 37 C.F.R. § 1.53	INTERNATIONAL APPLICATION NO. <b>PCT/US03/11649</b>	ATTORNEY'S DOCKET NUMBER <b>899-64967-07</b>
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17. <input checked="" type="checkbox"/> The following fees are submitted:  <b>BASIC NATIONAL FEE (37 C.F.R. §§ 1.492(a)(1)-(5)):</b>  Neither International Preliminary Examination fee (37 C.F.R. § 1.482) nor International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1,110.00</b>  International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... <b>\$950.00</b>  International Preliminary Examination fee (37 C.F.R. § 1.482) not paid to USPTO but International Search fee (37 C.F.R. § 1.445(a)(2)) paid to USPTO as an International Searching Authority ..... <b>\$790.00</b>  International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... <b>\$750.00</b>  International Preliminary Examination fee paid to USPTO (37 C.F.R. § 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left;">CALCULATIONS (PTO USE ONLY)</th> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table>	CALCULATIONS (PTO USE ONLY)			
CALCULATIONS (PTO USE ONLY)					

<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$</b>	<b>750.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)).				<b>\$</b>		

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			
Total claims	48 - 20 =	28	x \$18.00	<b>\$</b>	<b>504.00</b>	
Independent Claims	8 - 3 =	5	x \$88.00	<b>\$</b>	<b>440.00</b>	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$230.00	<b>\$</b>	<b>0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$</b>	<b>1,694.00</b>	
<input checked="" type="checkbox"/> Reduction of 1/2 for filing by small entity. Small entity status is claimed for this application.				<b>\$</b>	<b>847.00</b>	
<b>SUBTOTAL =</b>				<b>\$</b>	<b>847.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 Months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).				<b>\$</b>		
<b>TOTAL NATIONAL FEE =</b>				<b>\$</b>	<b>847.00</b>	
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). <b>\$40.00</b> per property.				<b>\$</b>		
<b>TOTAL FEES ENCLOSED =</b>				<b>\$</b>	<b>847.00</b>	

	REFUND →	<b>\$</b>
	CHARGE →	<b>\$</b>

a. ☒ A check in the amount of \$ 847.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.

d. ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

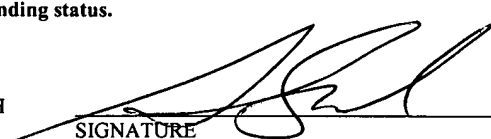
**NOTE:** Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH

**CUSTOMER NUMBER 24197**

KLARQUIST SPARKMAN, LLP  
 One World Trade Center, Suite 1600  
 121 S.W. Salmon Street  
 Portland, OR 97204-2988

  
 SIGNATURE

Susan Alpert Siegel, Ph.D.  
 NAME

43,121  
 REGISTRATION NUMBER

cc: Docketing